

Bitwinder

AUTOMATIC WINDER
FOR RESIDUAL PACKAGES



YARN WINDING & PROCESSING MACHINES

Gilbos

Bitwinder

RECYCLING PACKAGES FROM RESIDUAL TUBES/CONES

MAIN USE

Fully automatic residual winder for recuperation of yarn from:

- Tufting creels
- Carpet weaving creels
- Extrusion packages
- Technical yarn packages

PACKAGE TYPE

- 250 mm traverse (10") - cylindrical

SET-UP

- Self contained double spindle unit, with minimal installation requirements.

PACKAGE DIAMETER

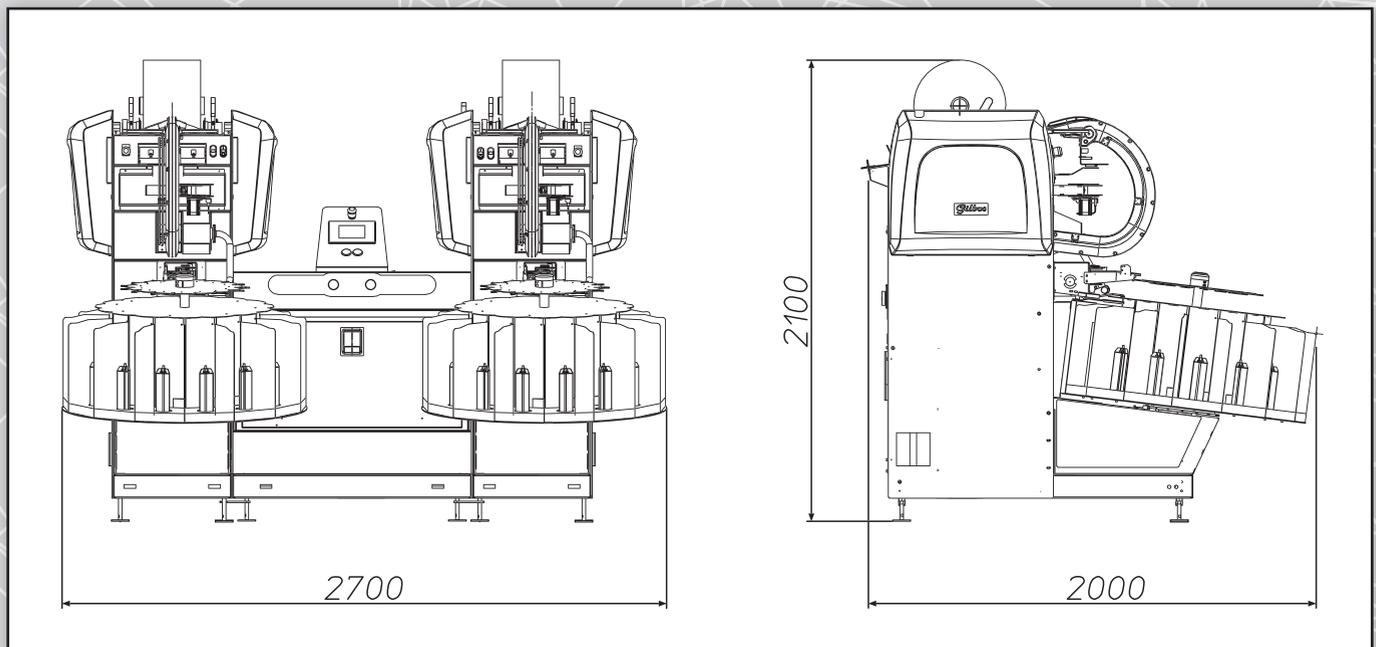
- Up to 410 mm. (16")

WINDING UNIT

- Spindle with individual motors and inverters for adjustable speed and crossing angle.
- Linear guiding system.
- Electronic length measurement.
- Finger tensioning device.
- Package holder with vibration damper.
- Electronically controlled anti-ribboning system.
- Air splicer or Fisherman's knotter.
- Thermosplicer (optional) for wool & woolblends
- Very efficient doffing system with tube magazine under the spindle and 4 tubes in the magazine.
- Vacuum system for catching the yarn end on the package.
- Winding speed up to 1.000 m/min. (1.100 yds /min.)

WORKING PRINCIPLES

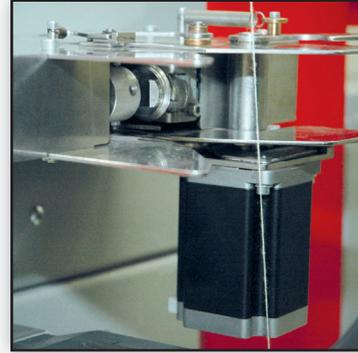
- Automatic change of feed tubes/cones.
- Pick-up and automatic splicing of ends.
- Package is doffed when set length is reached.



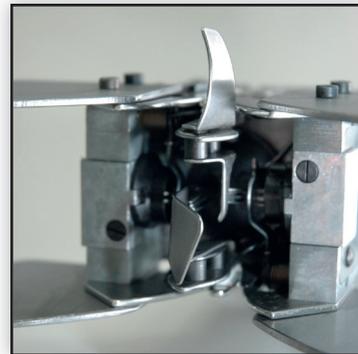


AUTOMATIC SPLICER OR FISHERMANN'S KNOTTER:

SPLICER



KNOTTER



CREEL TYPES

Mainly for feed packages with tube/cone lengths up to 300 mm (12") and with a capacity for:

- 20 packages with a max. diameter of 100 mm (4")
- 15 packages with a max. diameter of 150 mm (6")
- 10 packages with a max. diameter of 200 mm (8")
- 8 packages with a max. diameter of 275 mm (11")

Bitwinder

TECHNICAL SPECIFICATIONS

| | |
|-----------------------|--|
| Material | PP, PA & PES BCF yarns - Spun yarns |
| Count range | 600 to 20.000 dTex or 540 up to 18.000 den |
| Winding speed | up to 1.000 m/min. or 1.100 yds/min. |
| Package type | 250 mm traverse (10") - cylindrical |
| Package diameter | up to 410 mm or 16" |
| Electrical supply | 3 x 400V or 3 x 480V + PE - 50 or 60 Hz |
| Total connected load | 7.5 kVA per machine |
| Compressed air supply | min. 8 bar or min. 116 psi |
| Air connection | 1/2 inch supply |

GILBOS winding and processing machines for:

Rewinding
Rewinding + CMS
Assembly winding
AirEntangling
AirTwisting
SmarTwisting
Heatset winding

GILBOS nv

Grote Baan 10
BE-9310 Herdersem - Aalst
Belgium
Tel. +32 53 78 18 78
Fax +32 53 78 24 70
info@gilbos.com
www.gilbos.com

GILBOS of AMERICA, Inc.

1812 Antioch Road
Dalton GA 30720
USA
Tel. +1 706 529 3600
Fax +1 706 529 3595
info@gilbos.com
www.gilbos.com

All technical details, descriptions, illustrations, dimensions and other particulars in this brochure are given in good faith, and can be subject to change without notice.



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